

Cingulate Gyrus Approaches

- Brain Structural Correlates of EEG Network Hyperexcitability, Symptom Severity, Attention, and Memory in Borderline Personality Disorder
- Transcutaneous Cervical Vagus Nerve Stimulation Modulates Prefrontal Cortex Activity During Opioid Withdrawal in Individuals With Opioid Use Disorder
- A randomised controlled trial of the effects of Galacto-Oligosaccharides on the gut brain-axis of young females
- Differential Association Between Default Mode Network Connectivity and Attachment Styles in Healthy Individuals and Crohn's Disease Patients
- The role of the left medial prefrontal cortex and posterior cingulate cortex in processing positive emotional words: evidence from a meta-analysis and an empirical study
- Mapping human brain topography to heart rhythms: an SEEG study
- The science of story characters: a neuroimaging perspective on antagonists in narrative engagement
- Functional Connectivity Patterns Following Mild Traumatic Brain Injury and the Association With Longitudinal Cognitive Function

These approaches include unilateral interhemispheric or combined: bilateral interhemispheric, unilateral plus superior frontal gyrectomy, or unilateral plus frontal polectomy ¹⁾.

Surgical treatment of posterior gyrus cinguli tumors can be safely approached via the interhemispheric route as it permits several beneficial operative maneuvers in selected cases ²⁾.

Von Lehe and Schramm choosed an [interhemispheric approach](#) for tumor resection in 11 (29%) and a [transcortical approach](#) in 27 (71%) cases; [intraoperative electrophysiological monitoring](#) was applied in 23 (61%) and [neuronavigation](#) in 15 (39%) cases ³⁾.

¹⁾

Talacchi A, Corsini F, Gerosa M. Surgical approaches to tumors of the anterior gyrus cinguli. Neurosurgery. 2010 Jun;66(6 Suppl Operative):245-51. doi: 10.1227/01.NEU.0000369652.59204.99. PubMed PMID: 20489513.

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Talacchi A, Hasanbelliu A, Fasano T, Gerosa M. Interhemispheric approach to tumors of the posterior gyrus cinguli. Clin Neurol Neurosurg. 2013 May;115(5):597-602. doi: 10.1016/j.clineuro.2012.07.020. Epub 2012 Aug 4. PubMed PMID: 22871382.

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von Lehe M, Schramm J. Gliomas of the cingulate gyrus: surgical management and functional outcome. Neurosurg Focus. 2009 Aug;27(2):E9. doi: 10.3171/2009.6.FOCUS09104. PubMed PMID: 19645564.

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